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Periodicals as indicated.

MINING AND METALLURGICAL ENTERPRISES IN YUGOSLAVIA

ALUMINUM FACTORY AT STRNISCE

Cuvari Neba, No 16, 1950

Yugoslavia's first gigantic aluminum enterprise, at Strnisce in Slovenia, will by put into operation at the end of 1950. It will produce 12,000 tons of aluminum and 50,000 tons of silicon alloys annually. The factory installations include ten gas generators 9.5 meters high, 3.6 meters in circumference, and weighing 28 tons each; 24 large decomposers 22 meters high, 8 meters in circumference, with a capacity of one million liters each; a cooling tower 32 meters high which will cool 1200 cubic meters of water an hour; 7,500 meters of steam and gas tubes for the passage of steam heat with a pressure of 38 atmospheres and temperature of 450 degrees centigrade, and for passage of gas with a temperature of 30 to 40 degrees centigrade; filter boilers 12 meters high and weighing 7 tons each; and two gas-purifying kettles 8 meters high.

A warehouse 100 by 50 meters will hold 60,000 tons of ore, enough raw material for a half-year's production. The raw material will be prepared in a shop 120 meters long, where revolving furnaces 100 meters long will be placed, along with other revolving furnaces 50 meters long. Pure aluminum will be derived from the electrolysis unit 470 meters long, which requires a constant flow of 50,000 kilowatts of electric energy. To insure this supply, the plant will be connected with the hydroelectric power plants at Vinodol, Doblar on the Soca, Dravograd, Fal, Maribor Island, Vuzenica, Trobovlje, Rajhenburg, and Sostanj. -- Capt Vlastimir Markovic

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EXPANSION OF YUGOSLAY MINING INSTALLATIONS

Rudarstvo, No 5-6, 1950 Belgrade

Plevlja Coal Basin

Operational plans have been completed which will cut in half the time recuired for laying the cableway from the "Suplja Stena" Mine to Gradac and for finishing the highway from Boljanics to Gradac. Gravel or paving stone is to be laid on 14 kilometers of this road. Both projects will be completed by the beginning of June. Drilling equipment will be investigated this year in the entire mining area from Kovaca to Suplja Stena.

The exploitation of the "Suplja Stema" Zinc-Lead Mine, which is three times as productive as any other Yugoslav lead mine, will soon begin. High-tension transmission lines from the electric power plant in Plevlja to the mine will be finished in 20 days. The first electric compressor is already installed in the mine.

Antimony Mine at Bujanovac

The antimony mine at Bujanovac extends for an area of 60 square kilometers. The antimony deposits extend from Bujanovac to Medvelja and Sirska Banja. The mine is a very new one. It is third in production and first in quality of mineral in Yugoslavia.

Considerable reserves were discovered last year. More than half of the total production came from these reserves.

Drilling for deep ore-bearing veins will be initiated this year. A cable-way 15 kilometers long will be built in order to develop production and to cut production costs. It will connect five areas and decrease the time needed for transporting ore from distant areas. Now, ore is brought by trucks and wagons to the first railroad station, a distance of about 40 kilometers. When the cable-way is built, the ore will be transported by truck only 6 kilometers from the cable-way to the railroad station.

Oil Shale Enterprise at Aleksinac

An enterprise for mining and processing oil shale began operation this year in Subotinac near Aleksinac. The installations for processing oil shale which were built last year are of small capacity compared with the size of the known reserves. A reserve adequate for more than 5 years is located on the spot where digging was begun. Enormous deposits are under the Moravica River there is a layer 48 meters thick. A new installation which will have 20 times the capacity of previous ones will be put into operation this year.

New Separator at the "Zenica" Mine

A new pit, Radakovo, was opened last year at the "Zenica" Mine. Since the new pit is 2 kilometers from the old ones and conditions were not suitable for setting up a separator, the miners' collective could not fulfill its quality plan. The task of setting up a separator was initiated at the beginning of this year. Although the miners had to supply all the manpower and materials, the separator was put into operation on 16 March 1950.

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